

B. CAMPBELL

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/674,607

DATE: 04/19/2001

TIME: 16:39:43

Input Set : N:\Crf3\RULE60\09674607.txt

Output Set: N:\CRF3\04192001\I674607.raw

#8
24
11/17/02

ENTERED

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3 <110> APPLICANT: Prashar, Yatindra
4 Weissman, Sherman
6 <120> TITLE OF INVENTION: A Process to Study Changes in Gene Expression in T
7 Lymphocytes
9 <130> FILE REFERENCE: 44921-5004-WO
11 <140> CURRENT APPLICATION NUMBER: 09/674,607
12 <141> CURRENT FILING DATE: 2000-11-03
14 <150> PRIOR APPLICATION NUMBER: PCT/US99/09761
15 <151> PRIOR FILING DATE: 1999-05-05
18 <150> PRIOR APPLICATION NUMBER: US 60/084,329
19 <151> PRIOR FILING DATE: 1998-05-05
21 <160> NUMBER OF SEQ ID NOS: 44
23 <170> SOFTWARE: PatentIn Ver. 2.0
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26 <211> LENGTH: 238
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28 <213> ORGANISM: Homo sapiens
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31 <221> NAME/KEY: unsure
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33 <223> OTHER INFORMATION: n= a or c or g or t
35 <220> FEATURE:
36 <223> OTHER INFORMATION: Jurkat cell cDNA
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40 gagatggata cctctacctg acatggcctg aagatgcagg gcagaggaat tgcccatgga 120
41 cagtgcgcga aggactaggc tgggagggag cgtgccaacc ccttttgcct ctgggtttgg 180
W--> 42 ggagcggagg gcctcttctt ggtgcctgc cccaataaa ggaactggac naagagat 238
44 <210> SEQ ID NO: 2
45 <211> LENGTH: 174
46 <212> TYPE: DNA
47 <213> ORGANISM: Homo sapiens
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50 <221> NAME/KEY: unsure
51 <222> LOCATION: (150)
52 <223> OTHER INFORMATION: n = a or c or g or t
54 <220> FEATURE:
55 <223> OTHER INFORMATION: Jurkat cell cDNA
57 <400> SEQUENCE: 2
58 gatctcatga tgtggctggt gggaagatgg tggggtttgt ttgccagctt ggagtcctat 60
59 taaatgaaag ccagcaactc atgttggtaa taggtctact gtgggaacag ttatocctaa 120
W--> 60 ccacagctca aaatcgctat catctttagn caaattaaaa tctatgtggc agcg 174
62 <210> SEQ ID NO: 3
63 <211> LENGTH: 175
64 <212> TYPE: DNA
65 <213> ORGANISM: Homo sapiens
67 <220> FEATURE:
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68 <223> OTHER INFORMATION: Jurkat cell cDNA
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71 gatctggtga ctggcttttc gttctgtgtt cttggcttcc taaatttata tgcccatatg 60
72 attctcatgc atttgatatt tatgtttaaa agtgtttata tatgtatgta aaaagggaac 120
73 catatgtttt gagaatttgt aaagtgagag acatgatcct attaaaataa gaagg      175
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76 <211> LENGTH: 285
77 <212> TYPE: DNA
78 <213> ORGANISM: Homo sapiens
80 <220> FEATURE:
81 <221> NAME/KEY: unsure
82 <222> LOCATION: (39)
83 <223> OTHER INFORMATION: n = a or c or g or t
85 <220> FEATURE:
86 <223> OTHER INFORMATION: Jurkat cell cDNA
88 <400> SEQUENCE: 4
W--> 89 gatcctccat ggcccagcaa ggcccagat aaatccttna ccaccaggc accctgtgag 60
90 cccaacaggt taattagtcc attaatTTta gtgggacctg catatgttga aaattaccaa 120
91 tactgactga catgtgatgc tgacctatga taagggtgag tatttattag atgggaaggg 180
92 aaatttgggg attatttata ctctgggga cagtttgggg aggattattt attgtattta 240
93 tattgaatta tgtacttttt tcaataaagt cttatttttg tggcg      285
95 <210> SEQ ID NO: 5
96 <211> LENGTH: 182
97 <212> TYPE: DNA
98 <213> ORGANISM: Homo sapiens
100 <220> FEATURE:
101 <223> OTHER INFORMATION: Jurkat cell cDNA
103 <220> FEATURE:
104 <221> NAME/KEY: unsure
105 <222> LOCATION: (33), (56), (75), (93), (105), (110), (122), (136)
106 <223> OTHER INFORMATION: n = a or c or g or t
108 <400> SEQUENCE: 5
W--> 109 gatctgaaac ccaggtagg catgacattt cancccaaaa ccctacctca tctgtntctga 60
W--> 110 aagacgctga aactncctgg gatgttttcg ggnacaagaa tgtanatttn ccctatccct 120
W--> 111 gnacttggtt taatcnaatc aatgtgtgta ttagaataaa agtcacagca tcccaaaagc 180
112 cg      182
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116 <212> TYPE: DNA
117 <213> ORGANISM: Homo sapiens
119 <220> FEATURE:
120 <223> OTHER INFORMATION: Jurkat cell cDNA
122 <400> SEQUENCE: 6
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124 ataattttg tatttatgtt cagatgttga agctgtcatt ctgaataaaa actacacttt 120
125 agaaatggcg      130
127 <210> SEQ ID NO: 7
128 <211> LENGTH: 361
129 <212> TYPE: DNA

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130 <213> ORGANISM: Homo sapiens
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133 <221> NAME/KEY: unsure
134 <222> LOCATION: (62), (80)
135 <223> OTHER INFORMATION: n = a or c or g or t
137 <220> FEATURE:
138 <223> OTHER INFORMATION: Jurkat cell cDNA
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141 gatcttttcca ggccagggtgc ccagggtcttt catcaagagc cccattttcca agtgctcagt 60
W--> 142 anccccctttt ggccagtgcn cccccaccac atgggacaag cgcagggtcca gtggcctccc 120
143 cagctgaccg caggcaggga acaaggcaga ccctagaggg ccaggccaca gcaggggctg 180
144 aggatgcctg gtgaatggat gcctgggaga atggatgcca gaattcacgc atgaggctct 240
145 gaacagggct gggaaaactt ccaaacgaag ggaagtcac gtcttggtgc actttgtgat 300
146 gatgcttcaa cagcaggact gagatgggga catttacaat aaacagaaat gtatgggctc 360
147 g 361
149 <210> SEQ ID NO: 8
150 <211> LENGTH: 176
151 <212> TYPE: DNA
152 <213> ORGANISM: Homo sapiens
154 <220> FEATURE:
155 <223> OTHER INFORMATION: Jurkat cell cDNA
157 <400> SEQUENCE: 8
158 ggatcttgca cgtatctggtt ttccctccccc atgaactaga aaaccactta ctcccagaat 60
159 tcaggtcgtg cttgttagta ctatatcacc aagtccattc atttaatgat ccaaaactgt 120
160 aatggtgcac tgtattccaa ataaagggtg aaaacagaac caaagttata actccg 176
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163 <211> LENGTH: 128
164 <212> TYPE: DNA
165 <213> ORGANISM: Homo sapiens
167 <220> FEATURE:
168 <221> NAME/KEY: unsure
169 <222> LOCATION: (57), (58)
170 <223> OTHER INFORMATION: n = a or c or g or t
172 <220> FEATURE:
173 <223> OTHER INFORMATION: Jurkat cell cDNA
175 <400> SEQUENCE: 9
W--> 176 gatcaattct atgtctgact ttgaaattcc atttacaatg tagtatgttt tcaatgnnaa 60
177 accataaagt aacatccaag tgtttcatgg ttgttggtga aggtaatttt aaaataaaac 120
178 aatttccg 128
180 <210> SEQ ID NO: 10
181 <211> LENGTH: 138
182 <212> TYPE: DNA
183 <213> ORGANISM: Homo sapiens
185 <220> FEATURE:
186 <223> OTHER INFORMATION: Jurkat cell cDNA
188 <400> SEQUENCE: 10
189 gatcaagtca ctgcatgttg agaagtatag gtataacttg tgaccatata acagctcctt 60
190 tatttatgta gtttcttcac attttatgtg tacaatcaag catgcctgct gaccaaggcc 120
191 agagggtggag tggaagcg 138

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193 <210> SEQ ID NO: 11
194 <211> LENGTH: 271
195 <212> TYPE: DNA
196 <213> ORGANISM: Homo sapiens
198 <220> FEATURE:
199 <223> OTHER INFORMATION: Jurkat cell cDNA
201 <400> SEQUENCE: 11
202 gatctcaaca ttgttggttt cttttgtttt tcatttggtt caactttctt gaatttagaa 60
203 attacatctt tgcagttctg ttaggtgctc tgtaattaac ctgacttata tgtgaacaat 120
204 tttcatgaga cagtcatttt taactaatga agtgattctt tctcactact atctgtattg 180
205 tggaatgcac aaaattgtgt aggtgctgaa tgctgtaagg agtttaggtt gtatgaattc 240
206 tacaacccta taataaattt tactctatac g 271
208 <210> SEQ ID NO: 12
209 <211> LENGTH: 186
210 <212> TYPE: DNA
211 <213> ORGANISM: Homo sapiens
213 <220> FEATURE:
214 <221> NAME/KEY: unsure
215 <222> LOCATION: (20), (115)
216 <223> OTHER INFORMATION: n = a or c or g or t
218 <220> FEATURE:
219 <223> OTHER INFORMATION: Jurkat cell cDNA
221 <400> SEQUENCE: 12
W--> 222 gatccaaaac tatttgggan atgtatgggt agggtaaadc agtaagaggt gttatttggg 60
W--> 223 accttggttt ggacagttaa ccagttgcct tttatcccaa agttgttgta acctnctgtg 120
224 atacgatgct tcaagagaaa atgcgggttat aaaaaatggt tcagaattaa acttctaatt 180
225 cattcg 186
227 <210> SEQ ID NO: 13
228 <211> LENGTH: 171
229 <212> TYPE: DNA
230 <213> ORGANISM: Homo sapiens
232 <220> FEATURE:
233 <223> OTHER INFORMATION: Jurkat cell cDNA
235 <400> SEQUENCE: 13
236 ggatctgacc tccacggagc cgtgtgtccc gcccccctgc tcccgtctgt ctgtcctgtc 60
237 tgattctctt aggtgtcatg ttcttttttc tgtcttgtct tcaacttttt ttaaaactag 120
238 attgctttga aaacatgact caataaaagt ttcttttcaa tttaaacacc g 171
240 <210> SEQ ID NO: 14
241 <211> LENGTH: 151
242 <212> TYPE: DNA
243 <213> ORGANISM: Homo sapiens
245 <220> FEATURE:
246 <223> OTHER INFORMATION: T lymphocyte cDNA
248 <400> SEQUENCE: 14
249 agctccagaa gcgcttggac aggttgagg agacagtcca ggccaagtag agccccacag 60
250 ggctccagc aggttcagcc attcacccc atccactcac ctcccattcc cagccacgtg 120
251 gcagagaaaa aaatcataat aaaatggctt t 151
253 <210> SEQ ID NO: 15
254 <211> LENGTH: 148

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255 <212> TYPE: DNA
256 <213> ORGANISM: Homo sapiens
258 <220> FEATURE:
259 <221> NAME/KEY: unsure
260 <222> LOCATION: (3), (4), (13), (30), (40)
261 <223> OTHER INFORMATION: n = a or c or g or t
263 <220> FEATURE:
264 <223> OTHER INFORMATION: T lymphocyte cDNA
266 <400> SEQUENCE: 15
W--> 267 ttngctacc tngtccaag tcttggttn ccctttccan tcacttcact gtgcgctaag 60
268 ggggtgggtg aggggatgga gagggagggc tgctacat ggtctggggc ttgaggaaga 120
269 tgagtttgtt gatttaaata aagaattt 148
271 <210> SEQ ID NO: 16
272 <211> LENGTH: 194
273 <212> TYPE: DNA
274 <213> ORGANISM: Homo sapiens
276 <220> FEATURE:
277 <221> NAME/KEY: unsure
278 <222> LOCATION: (4), (19), (21)
279 <223> OTHER INFORMATION: n = a or c or g or t
281 <220> FEATURE:
282 <223> OTHER INFORMATION: T lymphocyte cDNA
284 <400> SEQUENCE: 16
W--> 285 ctantttaga tacgtccana nccaggaccg ctgagaactg ggacagtttc ctgggatgag 60
286 tgccagcctg agcctgcatg gtgccgcga gcccggggtg gagggaggag ccaggcttcg 120
287 cttcaaggcg gcctctacct tttctcagaa tggtttcctg attgtgtcaa tgtgaaagt 180
288 aaataaaatt tatg 194
290 <210> SEQ ID NO: 17
291 <211> LENGTH: 116
292 <212> TYPE: DNA
293 <213> ORGANISM: Homo sapiens
295 <220> FEATURE:
296 <221> NAME/KEY: unsure
297 <222> LOCATION: (7)..(9), (18), (22), (24), (28), (29), (31), (33), (42), (44),
298 <222> LOCATION: (46), (47), (52), (55), (58), (63), (69), (75), (78), (79)
299 <223> OTHER INFORMATION: n = a or c or g or t
301 <220> FEATURE:
302 <223> OTHER INFORMATION: T lymphocyte cDNA
304 <400> SEQUENCE: 17
W--> 305 cactgtnnng aacggtcntg cnangtanna ngnttctgc cnangntct cncnccanc 60
W--> 306 aanaggcanc ttctntannt atcctaacia gccttgacc aaatggaaat aacagc 116
308 <210> SEQ ID NO: 18
309 <211> LENGTH: 212
310 <212> TYPE: DNA
311 <213> ORGANISM: Homo sapiens
313 <220> FEATURE:
314 <223> OTHER INFORMATION: T lymphocyte cDNA
316 <400> SEQUENCE: 18
317 gctttattgg agagatacac acaaaggctg tccactcact tccataattt cttgatggac 60

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VERIFICATION SUMMARY

DATE: 04/19/2001

PATENT APPLICATION: US/09/674,607

TIME: 16:39:44

Input Set : N:\Crf3\RULE60\09674607.txt

Output Set: N:\CRF3\04192001\I674607.raw

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L:60 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
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L:109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
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L:285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
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L:350 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:384 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:416 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:434 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:451 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
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L:611 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:612 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:733 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44